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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/791,683	03/02/2004	Mohamed K. Diab	MASIMO.56DC1C1	2591	
	7590 01/14/2008 RTENS OLSON & BEAR	EXAMINER			
2040 MAIN ST	REET	WINAKUR, E	WINAKUR, ERIC FRANK		
FOURTEENTI IRVINE, CA 92		ART UNIT	PAPER NUMBER		
, <u> </u>			3768		
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			NOTIFICATION DATE	DELIVERY MODE	
			01/14/2008	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com eOAPilot@kmob.com

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Office Action Summary		Applicatio	n No.	Applicant(s)			
		10/791,68	3	DIAB ET AL.			
		Examiner		Art Unit			
		Eric F. Win		3768			
The MAILING DATE of the Period for Reply	is communication a	appears on the	cover sheet with the	correspondence ad	dress		
A SHORTENED STATUTORY WHICHEVER IS LONGER, FR - Extensions of time may be available unde after SIX (6) MONTHS from the mailling d - If NO period for reply is specified above, t - Failure to reply within the set or extended Any reply received by the Office later that earned patent term adjustment. See 37 (6)	OM THE MAILING r the provisions of 37 CFR ate of this communication. the maximum statutory period period for reply will, by stat three months after the main	DATE OF TH 1.136(a). In no eve od will apply and will tute, cause the appli	IS COMMUNICATION, however, may a reply be for the spire SIX (6) MONTHS from the second ABANDON to the second A	ON. imely filed m the mailing date of this co IED (35 U.S.C. § 133).	•		
Status							
1) Responsive to communic	ation(s) filed on 20	December 20	<u>004</u> .				
2a) ☐ This action is FINAL .	This action is FINAL . 2b)⊠ This action is non-final.						
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closed in accordance wit	n the practice unde	r Ex parte Qua	ayle, 1935 C.D. 11, 4	153 O.G. 213.			
Disposition of Claims							
4) ⊠ Claim(s) <u>31-37</u> is/are per 4a) Of the above claim(s) 5) □ Claim(s) is/are allowing 6) ⊠ Claim(s) <u>31-37</u> is/are rejective. 7) □ Claim(s) is/are objective.	is/are withdowed. coted. ected to.	rawn from cor		·			
Application Papers							
9) The specification is object	ed to by the Exami	ner.					
10)☐ The drawing(s) filed on _	is/are: a) 🗌 a	ccepted or b)[objected to by the	Examiner.			
Applicant may not request t	nat any objection to th	he drawing(s) b	e held in abeyance. S	ee 37 CFR 1.85(a).			
Replacement drawing shee 11) The oath or declaration is	· ·	· ·	= : :				
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Draw 3) Information Disclosure Statement(s) Paper No(s)/Mail Date 8/4/04.	ing Review (PTO-948)		4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:	Date			

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 33 and 34 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. With regard to claim 33, the phrase "the resulting clean signal" lacks antecedent basis. With regard to claim 34, the phrase "said clean signal" lacks antecedent basis.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 31, 33, 34, and 36 are rejected under 35 U.S.C. 102(e) as being anticipated by Albrecht et al. Albrecht et al. teach a system for processing ECG signals to extract a desired signal portion from a signal containing a desired portion and noise that includes minimizing the value of an error metric (Figure 5; column 4, line 30 column 8, line 55; column 13, line 65 column 17, line 27).

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 35 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albrecht, as applied to claim 32 and 34 above. Albrecht et al. teach that their system can be used to process other types of physiologic signals (column 30). Without a showing of unexpected results or criticality, it would have been obvious to one of ordinary skill in the art at the time of the invention to measure physiological concentrations and heart rate, as set forth in the claims, since Albrecht et al. teach that their system can be modified to process other physiological signals.

Double Patenting

7. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

8. Claims 31 - 37 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims of U.S. Patent No. 6,067,462 (cited by Applicant). Although the conflicting claims are not identical, they are not patentably distinct from each other because with regard to claims 31 and 32, one in possession of the method of claim 13 of the patent would necessarily be in possession of the claims of the instant application. Further, with regard to claims 33 - 37, although claims 1 - 6 of the patent do not recite limitations regarding the approximate proportionality between S_1 and S_2 and between N_1 and N_2 , it is inherent that this relationship must be satisfied for the computations of e and A_1 to be mathematically valid. As, such one in possession of the method of claims 1 - 6 would necessarily be in possession of the invention of claims 33 - 37.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric F. Winakur whose telephone number is 571/272-4736. The examiner can normally be reached on M-Th, 7:30-5; alternate Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571/272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eric F Winakur Primary Examiner Art Unit 3768